

# Clinical Trial Protocol

## Iranian Registry of Clinical Trials

17 Jun 2026

### The Evaluation of periacryl tissue adhesive effect on the amount of dehiscence after fixation of absorbable membranes in oral surgery

#### Protocol summary

##### Study aim

The Evaluation of periacryl tissue adhesive effect on the amount of dehiscence after fixation of absorbable membranes in oral surgery for patients of facial surgery faculty of dentistry of Tehran Azad University and private clinic in 2017-2018

##### Design

This clinical trial study was performed on 30 samples of facial surgery faculty of dentistry of Tehran Azad University and private clinic with indication of alveolar bone remodeling (GBR) with absorbable placement membranes for implant placement and lack of exit criteria. patients are randomly considered as both intervention and control groups.

##### Settings and conduct

The place of surgery is in faculty of facial surgery at Dentistry Faculty of Tehran Azad University and private clinics. Patients are randomly divided into intervention and control groups. In the control group, the membranes are fixed by suturing, and in the intervention group, the periacryl tissue adhesive is used to fix the membranes. Then both groups will be evaluated for amount of dehiscence after surgery.

##### Participants/Inclusion and exclusion criteria

Inclusion criteria: The Patients who Needed Alveolar Bone Remodeling (GBR) for implant placement  
Exclusion criteria: Any risk of systemic disease/ History of bisphosphonate use in the past year/ History of radiotherapy in the jaw area over the past year/ Pregnancy/ History of smoking and alcohol/ History of drug allergies/ The presence of any pathological lesions of soft and hard tissues of the mouth

##### Intervention groups

Intervention group: Membrane fixation is done by periacryl tissue adhesive  
Control group: Membrane fixation is done in a conventional way and through suture

##### Main outcome variables

In this study, variable; amount of dehiscence is measure.

#### General information

##### Reason for update

##### Acronym

##### IRCT registration information

IRCT registration number: **IRCT20171216037893N3**

Registration date: **2018-05-27, 1397/03/06**

Registration timing: **registered\_while\_recruiting**

Last update: **2018-05-27, 1397/03/06**

Update count: **0**

##### Registration date

2018-05-27, 1397/03/06

##### Registrant information

##### Name

Hamidreza Mahaseni aghdam

##### Name of organization / entity

##### Country

Iran (Islamic Republic of)

##### Phone

+98 21 2240 6440

##### Email address

h\_mahaseni@dentaliau.ac.ir

##### Recruitment status

**Recruitment complete**

##### Funding source

##### Expected recruitment start date

2017-06-22, 1396/04/01

##### Expected recruitment end date

2018-06-22, 1397/04/01

##### Actual recruitment start date

empty

##### Actual recruitment end date

empty

##### Trial completion date

empty

##### Scientific title

The Evaluation of periacryl tissue adhesive effect on the amount of dehiscence after fixation of absorbable membranes in oral surgery

#### Public title

The Evaluation of periacryl tissue adhesive effect on the amount of dehiscence after fixation of absorbable membranes in oral surgery

#### Purpose

Treatment

#### Inclusion/Exclusion criteria

##### Inclusion criteria:

The Patients who Needed Alveolar Bone Remodeling (GBR) for implant placement

##### Exclusion criteria:

Any risk of systemic disease History of bisphosphonate use in the past year History of radiotherapy in the jaw area over the past year Pregnancy History of smoking and alcohol History of drug allergies The presence of any pathological lesions of soft and hard tissues of the mouth

#### Age

No age limit

#### Gender

Both

#### Phase

N/A

#### Groups that have been masked

No information

#### Sample size

Target sample size: 30

#### Randomization (investigator's opinion)

Randomized

#### Randomization description

Patients are randomly considered as both intervention and control groups. Simple random individually with using random numbers

#### Blinding (investigator's opinion)

Not blinded

#### Blinding description

#### Placebo

Not used

#### Assignment

Parallel

#### Other design features

## Secondary Ids

empty

## Ethics committees

### 1

#### Ethics committee

##### Name of ethics committee

Ethics committee of Islamic Azad University of Medical Sciences

##### Street address

No.4, Neyestan10th, Pasdaran street

##### City

Tehran

##### Province

Tehran

#### Postal code

19486

#### Approval date

2017-06-18, 1396/03/28

#### Ethics committee reference number

IR.IAU.DENTAL.REC.1396/5

## Health conditions studied

### 1

#### Description of health condition studied

Indication of alveolar bone remodeling (GBR) and implant placement

#### ICD-10 code

#### ICD-10 code description

## Primary outcomes

### 1

#### Description

Dehiscence

#### Timepoint

Dehiscence is examined 1,7,14 and 21 days after surgery

#### Method of measurement

It is measured by a caliper in millimeters

## Secondary outcomes

empty

## Intervention groups

### 1

#### Description

Intervention group: Membrane fixation is done by periacryl tissue adhesive

#### Category

Treatment - Other

### 2

#### Description

Control group: Membrane fixation is done in a conventional way and through suture

#### Category

Treatment - Other

## Recruitment centers

### 1

#### Recruitment center

##### Name of recruitment center

Faculty of Dentistry, Azad University of Medical Sciences, Tehran, Iran

##### Full name of responsible person

Dr Hamid Reza Mahaseni Aghdam

**Street address**

Pasdaran street

**City**

Tehran

**Province**

Tehran

**Postal code**

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**Phone**

+98 21 6524 6813

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h\_mahaseni@dentaliau.ac.ir

**Web page address**<http://www.dentaliau.ac.ir>**2****Recruitment center****Name of recruitment center**

Private clinic

**Full name of responsible person**

Dr Hamid Reza Mahaseni Aghdam

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**Web page address**<http://www.dentaliau.ac.ir>**Sponsors / Funding sources****1****Sponsor****Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

Dr Arash Azizi

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No. 4, Neyestan 10th, Pasdaran Street, Tehran

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**Web page address**<http://www.dentaliau.ac.ir>**Grant name****Grant code / Reference number****Is the source of funding the same sponsor organization/entity?**

Yes

**Title of funding source**

Islamic Azad University

**Proportion provided by this source**

100

**Public or private sector**

Public

**Domestic or foreign origin**

Domestic

**Category of foreign source of funding***empty***Country of origin****Type of organization providing the funding**

Academic

**Person responsible for general inquiries****Contact****Name of organization / entity**

Islamic Azad University

**Full name of responsible person**

Hamid Reza Mahaseni Aghdam

**Position**

Assistant Professor

**Latest degree**

Specialist

**Other areas of specialty/work**

Dentistry

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**Full name of responsible person**

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## Person responsible for updating data

### Contact

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Islamic Azad University  
**Full name of responsible person**  
Dr Hamid Reza Mahaseni Aghdam  
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Assistant professor  
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**Other areas of specialty/work**  
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## Sharing plan

### Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

### Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

### Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

### Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

### Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

### Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

### Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available